

**DEPARTMENT OF THE INTERIOR
ELKO FIELD OFFICE
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

PART F - SPECIFICATIONS

SPECIFICATION TITLE:	Construct Flood Warning Signs	AGENCY:	BLM Elko F.O.
PART E LINE ITEM:	S-2 ROADS, TRAILS, AND SAFETY SIGNS (BLM 98-148 III. A)	FISCAL YEAR(S) (list each year):	2001 - 2003

I. WORK TO BE DONE (describe or attach exact specifications of work to be done):

Number and Describe Each Task:

A. General Description: The attached public safety sign was developed for immediate installation on roads and in housing areas that are likely to sustain damage from flooding and debris flows.

The Sign Should Read:

WARNING

**MUD FLOW AND ROLLING BOULDER
HAZARD IN THIS AREA
CAUSED BY THE FIRE
USE EXTREME CAUTION DURING RAIN
AND FOR 1 HOUR AFTER RAIN
LEAVE THE AREA/STAY OUT OF CANYONS
DURING RAINSTORMS**

B. Location/(Suitable) Sites: Place signs along roads at key access points to canyons that are likely to flood

C. Design/Construction Specifications:

1. All signs will be metal with white background and red lettering.
2. Signs will be constructed on a standard metal sheet (see materials below).
3. Signs will be mounted two 8ft tall 4x4 posts with carriage bolts.
4. Post holes should be dug a minimum of 2ft deep.

II. LABOR, MATERIALS AND OTHER COST:

PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item): Do not include contract personnel costs here (see contractor services below).	COST/ITEM
WG-5, @ \$12.00/hr x 24 hrs x 1 year to make and install signs (seasonal employee)	\$288
TOTAL PERSONNEL SERVICE COST	\$288
EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X # Fiscal Years = Cost/Item): Note: Purchases require written justification that demonstrates cost benefits over leasing or renting.	COST/ITEM
Pickup @ \$70.00/24 hours (1 day) x 96 hours (4 days) x 1 year	\$280
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	\$280
MATERIALS AND SUPPLIES: (Item @ Cost/Each X Quantity X # Fiscal Years = Cost/Item):	COST/ITEM
Metal sheets 4ft by 8ft @ 34.50/ea. x 3 x 1 year	\$104
Pressure treated posts 4" by 4" by 12ft @ \$ 9.00/ea x 6 x 1 year	\$54
Carriage bolts, with washers and nuts 1-6" @ \$ 1.00/ea x 15 x 1 year	\$15
Bags Concrete @ \$12.00/each x 6 x 1 year	\$72
Paint (one gallon red, one gallon white) @ \$20.00/ea x 2 x 1 year	\$40
TOTAL MATERIALS AND SUPPLY COST	\$285
TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):	COST/ITEM
TOTAL TRAVEL COST	\$
CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):	COST/ITEM
TOTAL CONTRACT COST	\$853

SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNIT COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	SIGN	\$285	3	\$853	EFR	P
FY 2						
FY 3						
TOTAL				\$853	EFR	P

FUNDING SOURCES:

F = Fire Suppression Account
EFR = Emergency Fire Rehabilitation
OP = Agency Operating Fund
O = Other

METHODS:

P = Agency Personnel Services
C = Contract (long-term)
EFC = Emergency Fire Contract
FC = Crew Labor Assigned to Fire

SOURCE OF COST ESTIMATE

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	M
3. Estimate supported by cost guides from independent sources or other federal agencies	
4. Estimates based upon government wage rates and material cost.	P
5. No cost estimate required - cost charged to Fire Suppression Account	

P = Personnel Services, M = Materials/Supplies, T = Travel, C = Contract, F = Suppression

III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:

List Relevant Documentation and Cross-Reference Location within BAER Report:

See text of Soil and Watershed Assessment (Appendix I) for narrative on the objectives. See map index, Treatment section for potential treatment sites.

IV.

TOTAL COST BY FIRE

FIRE NAME	UNITS TREATED	COST
SOUTH CRICKET	1	\$284
WEST BASIN	1	\$284
RABBIT	1	\$284
TOTAL COST		\$853